

HASYLAB USERS' MEETING.



January 28-29, 2010 in Hamburg

DESY Auditorium (Bldg. 5)

Wednesday January 27 **4th European XFEL Users' Meeting (9.30-18.30 DESY Auditorium)**

Thursday January 28 **Soft X-ray FEL / FLASH experiments**

Jointly organised with European XFEL Users' Meeting

Soft x-ray FELs status and experiments

Chairperson: T. Möller

9.00 - 9.10	Welcome to DESY	E. Weckert (DESY/HASYLAB Hamburg) and M. Altarelli (European XFEL) K. Honkavaara (DESY Hamburg) M. Drescher (University Hamburg)
9.10 - 9.40	FLASH status and upgrade	
9.40 - 10.00	Novel timing tools for ultrafast atomic and molecular dynamics at FLASH	
10.00 - 10.30	First results from LCLS	J. Bozek (SLAC Stanford, USA)

10.30 - 11.00 **Coffee break**

Scientific experiments

11.00 - 11.20	Direct autocorrelation of XUV-FEL pulses	H. Zacharias (University Münster)
11.20 - 11.40	Turning solid aluminium transparent by intense soft X-ray photoionization	B. Nagler (Photon Science Research Institute, STFC, UK) V. Senz (University Rostock)
11.40 - 12:00	Core-hole screening as a probe for a metal-to-nonmetal transition in lead clusters	P. Johnsson (Lund University, SE)
12.00 - 12.20	Field-free molecular alignment	

12.20 - 13:30 **Lunch**

FLASH II Preparatory Phase Kick off Meeting.

Chairperson: E. Weckert

FLASH II - Project and developments

13:30 - 14:00	Introduction and motivation	J. Feldhaus (DESY/HASYLAB Hamburg)
14:00 - 14:20	FLASH II project	B. Faatz (DESY Hamburg)
14:20 - 14:40	Seeding schemes for FLASH II	A. Meseck (HZB Berlin)
14:40 - 15:00	FLASH II seed source	F. Tavella (DESY/HASYLAB Hamburg)
15:00 - 15:20	Beam dynamics and FEL simulations for FLASH	I. Zagorodnov (DESY Hamburg)

15:20 - 15:50 **Coffee break**

FLASH II - Scientific perspectives

15:50 - 16:35	Perspectives in AMOP	M. Vrakking (FOM Institute, NL) Chair: B. Sonntag
16:35 - 17:20	Perspectives in soft condensed matter	D.A. Weitz (Harvard University, USA) Chair: G. Grübel
17:20 - 17:50	Coffee break	
17:50 - 18:20	Perspectives in magnetism	P. Bruno (ESRF Grenoble, F) Chair: R. Röhlberger
18:20 - 19:00	Perspectives in imaging	H. Chapman (CFEL/DESY Hamburg) Chair: W. Wurth

19:30 **Dinner for all participants**

(in the DESY canteen annex, Bldg. 9)

Friday January 29 HASYLAB Users' Meeting.

Chairperson: J. Feldhaus

9.00 - 9.15	Welcome to DESY	H. Dosch (DESY Hamburg)
9.15 - 10.00	Photon science at DESY	E. Weckert (DESY/HASYLAB Hamburg)
10.00 - 10.30	Recent developments at FLASH	S. Schreiber (DESY/HASYLAB Hamburg)
10.30 - 11.00	Coffee break	

		Chairperson: W. Drube
11.00 - 11.30	On the bright role of X-rays for establishing structure performance relationships in hydrogen storage materials	J.H. Bitter (Utrecht University)
11.30 - 12.00	Structural biology of infection and inflammation	C. Betzel (University Hamburg)
12.00 - 12.15	Report of the HASYLAB Users Committee (HUC)	P. Müller-Buschbaum, HUC Chair (TU München)
12.15 – 13:15	L u n c h	
		Chairperson: G. Grübel
13.15 - 13.45	Mapping the local nanostructure of thin films by GISAXS-tomography	C. Schroer (TU Dresden)
13.45 – 14.05	Bericht des Komitees für Forschung mit Synchrotronstrahlung (KFS)	U. Pietsch, KFS Chair (University Siegen)

14.00 - 17.00 **POSTER SESSION** and vendor exhibition (Bldg. 26, 'Hall 1')
 Jointly organised with European XFEL Users' Meeting

Update:21. January 2010